

5-2013

Opus: Research and Creativity at IPFW 2012 Statistical Report

Cheryl B. Truesdell

Indiana University - Purdue University Fort Wayne, truesdel@ipfw.edu

Follow this and additional works at: http://opus.ipfw.edu/opus_reports



Part of the [Library and Information Science Commons](#), and the [Other Communication Commons](#)

Recommended Citation

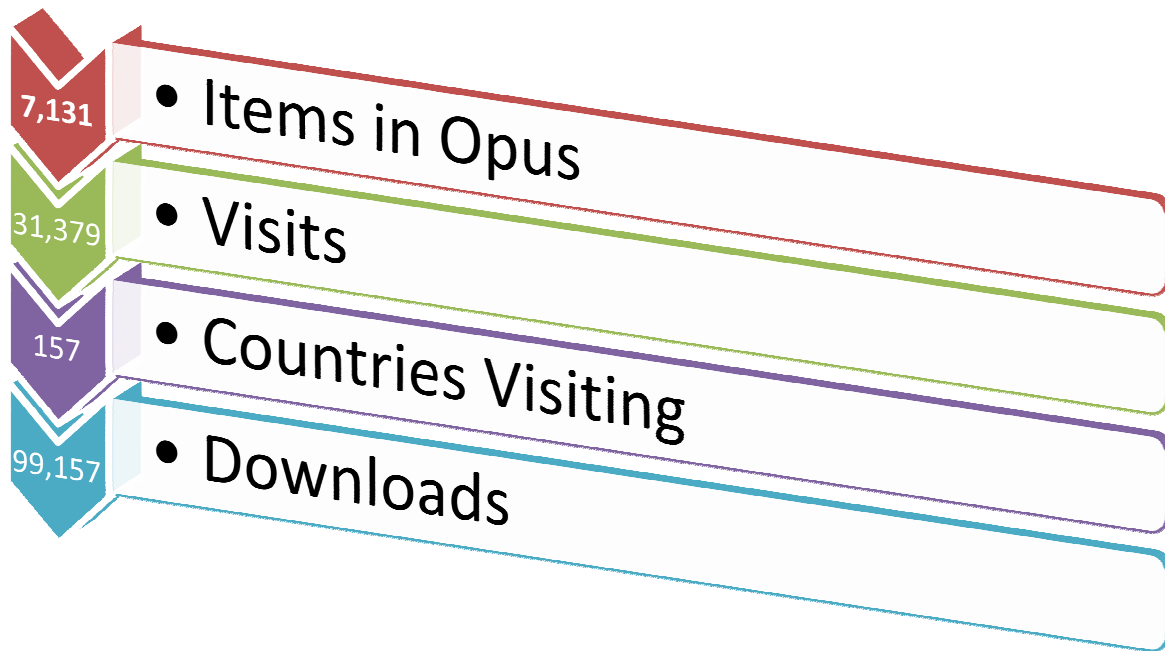
Cheryl B. Truesdell (2013). Opus: Research and Creativity at IPFW 2012 Statistical Report.
http://opus.ipfw.edu/opus_reports/2

This Report is brought to you for free and open access by the Academic Affairs, Office of at Opus: Research & Creativity at IPFW. It has been accepted for inclusion in Opus Annual Reports by an authorized administrator of Opus: Research & Creativity at IPFW. For more information, please contact admin@lib.ipfw.edu.

Opus: Research and Creativity at IPFW

2012 Statistical Report

Opus by the Numbers



Introduction

Opus: Research and Creativity at IPFW, a joint program of the Helmke Library, the VCAA, and Office of RESP, marked its third full year in 2012. *Opus* supports the university's academic mission to raise its national and international profile through open access to the academic and creative accomplishments of IPFW faculty and students.

This year's data shows a continued increase in content and use of faculty and student materials. Since 2010 the number of visitors to *Opus* has quadrupled and the number of downloads has increased ten-fold.

Visits, Hits and Downloads	2010	2011	2012
Visits (# of individual sessions initiated by visitors to <i>Opus</i>)	7,682	29,231	31,379
Hits	66,920	196,963	266,467
Downloads	4,593	33,266	50,154

This report highlights the representation of IPFW departments in *Opus* in addition to recognizing the authors of the most downloaded works.

In 2013, our goals are to continue to increase the number of faculty participating in *Opus* and full-text items available for download, to implement new features such as a book gallery of faculty publications and art galleries of IPFW's fine arts faculty, and to work towards more communication about the use and analysis of altmetrics generated by Google Analytics, *Opus* system reports, and other Web tools.

Speaking of altmetrics, what are they and what do they mean?

Opus, Open Access, and Altmetrics

Traditional metrics, such as peer review, citation counting and journal impact factor, have been used for years to measure the significance and impact of faculty scholarship. These metrics are inextricably linked to the traditional scholarly communication model of publication and distribution. In the print age, manuscripts were submitted for peer review, usually by a few senior researchers in the field, accepted for publication, ideally in one of the few "designated" elite journals in the field, journals published and distributed through subscription to a few individuals and academic libraries, indexed in scholarly databases, and recognized by citations by other scholars.

The Internet, social media, and open access have made it possible (especially in the sciences) to share research results very quickly and barrier-free to a global audience. Traditional metrics do not and cannot measure the scholarly and general public dialog that is taking place across the World Wide Web. Altmetrics are new ways to measure the impact of scholarly content based upon how far and wide it travels through the Internet, such as how research is blogged, tweeted about, or bookmarked. Certainly altmetrics won't replace traditional metrics

(at least in the foreseeable future), but they can supplement and mitigate the flaws of traditional metrics, such as slow feedback rate, tendency to conventionality, and impact based upon venue rather than content itself. In the growing climate of open access to the world's scholarly output, altmetrics can illustrate other important indicators of impact by tracking use across disciplines, use by scholars at third-world institutions, and use by other segments of society such as governments, media, non-profit organizations, and the general public?

Altmetrics are still in their infancy and scholars are still trying to discover an appropriate measure and use for them. Some question the value of mentions on social media as indicators of important scholarly impact. But if the goals of scholarship are to add knowledge, advance society, germinate new ideas, and encourage critical thinking, why wouldn't scholars want to use this information that provides insights into the interest and possible impact of scholarship on the broader community.

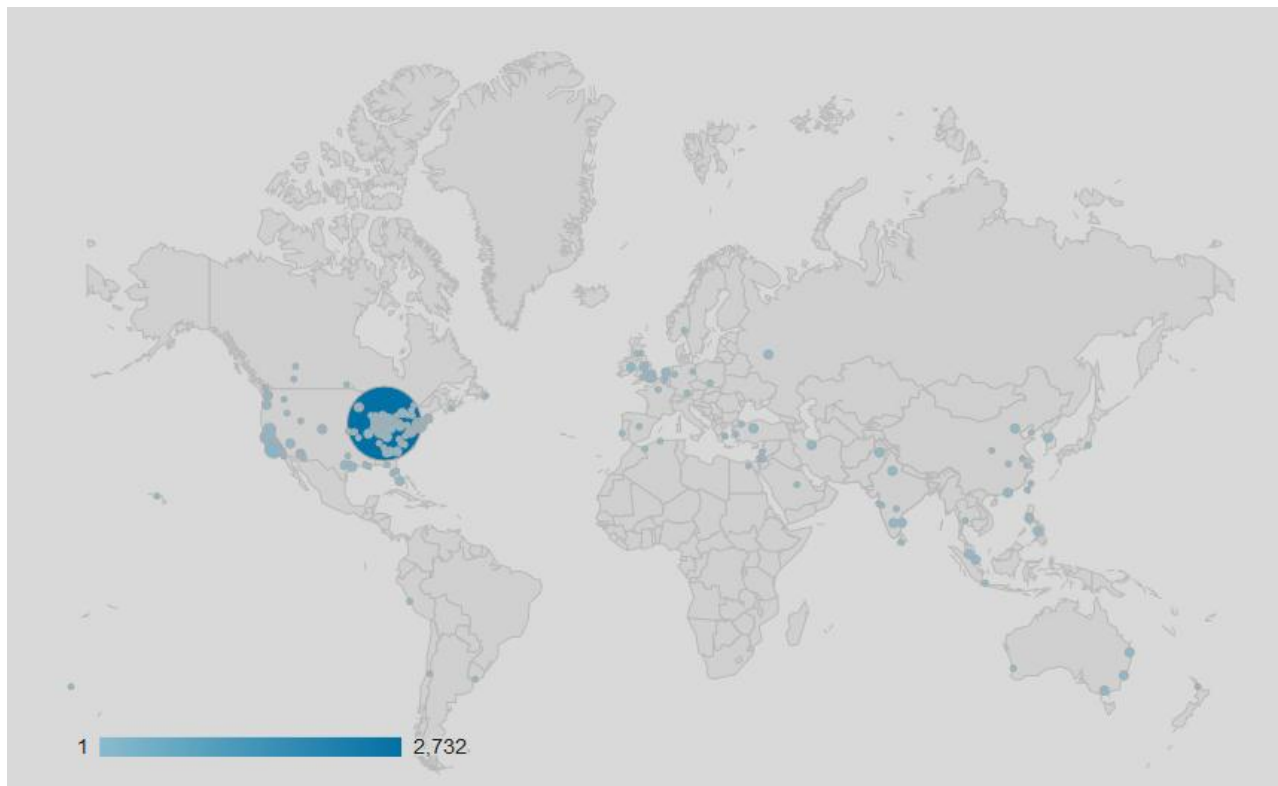
Following are some altmetrics derived from *Opus* that indicate the scope of reach of IPFW's faculty and student research. This year BePress enabled Google Analytics social sharing tools to track discovery through Facebook, delicious, LinkedIn and other social media. And the BePress network of open access repositories now provide monthly data on the most popular titles, authors, and institutions based on download counts across all repositories. In addition, data about individual faculty and student works are available from the Author Dashboard in the Opus My Account.

For more information on using Opus to increase access to your work, contact Cheryl Truesdell, Dean IPFW Helmke Library (truesdel@ipfw.edu).

Global Outreach

Visits by Location	2010	2011	2012
Country visits	109	150	157
States	52	52	52
Cities	1,704	4,303	4,583

Country / Territory	Number of Visits	Percent of Total
United States	19,925	63.50%
United Kingdom	1,311	4.18%
Canada	1,151	3.67%
India	825	2.63%
Australia	653	2.08%
Other	469	1.49%
Germany	463	1.48%
Philippines	405	1.29%
China	346	1.10%
Malaysia	279	.89%

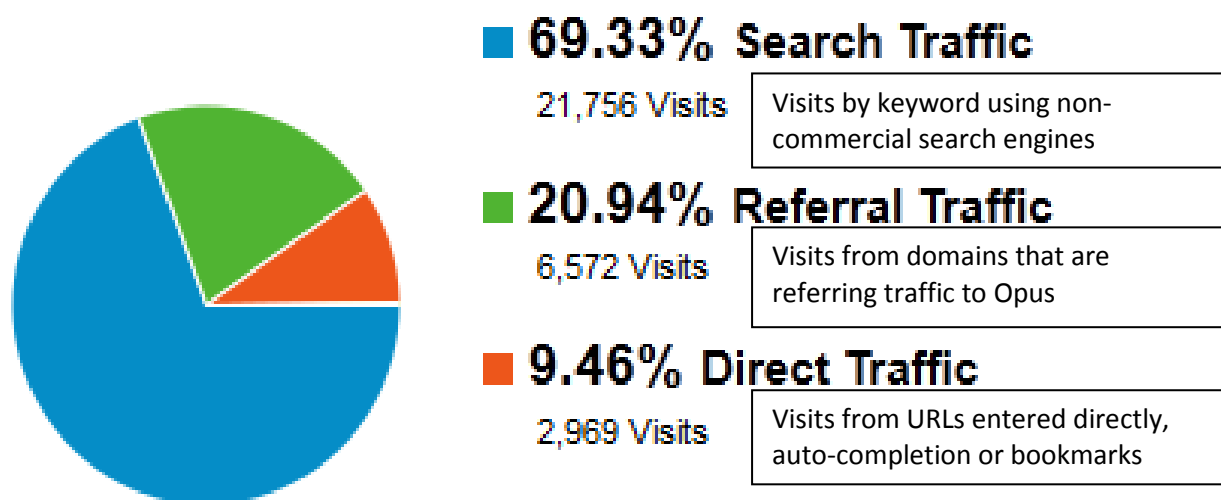
Visits to *Opus* by City

Cities	Number of Visits	Percent of Total
Fort Wayne	5,098	16.25%
New York	426	1.36%
Chicago	419	1.34%
Berkeley	367	1.17%
London	261	.83%
Indianapolis	203	.65%
Manila	194	.62%
Sydney	191	.61%
Ann Arbor	184	.59%
Washington	182	.58%

Methods of Access

Most visits to *Opus* are the result of keyword searches using the Google search engine. Most referrals come from IPFW's website.

31,379 people visited this site



Social Networking

This year's *Opus* report includes data from Social Sharing tools implemented by Google Analytics. This tracks the number of visits generated from social networking sites such as Facebook, Twitter and LinkedIn. While the numbers are not large yet, it will be interesting to follow how scholarly works in *Opus* are shared and discussed on social networks. This new tool will track which pages and content are being shared, where they are being shared and how.

Social Network	Number of Visits	Percent of Total
Facebook	237	92.58%
Delicious	6	2.34%
Twitter	4	1.56%
Blogger	3	1.17%
LinkedIn	2	.78%
ResearchGate	2	.78%
Reddit	1	.39%
WordPress	1	.39%

Faculty Entries in *Opus* by Department

College of Arts and Sciences							
Department	Publications	Presentations	Art	Exhibits	Performances	Patents	Total
Anthropology	103	95					198
Biology	216	91					307
Chemistry	57	34					91
Communication	66	71	1			6	144
Communication Sciences & Disorders	15	59					74
English & Linguistics	553	84			26		663
Geosciences	56	78					134
Gerontology	15						15
History	113	18					131
ILCS	30	35					65
Math	126	106					132
Philosophy	239	100					339
Physics	50	56					106
Political Science	148	69					217
Psychology	103	109					212
Sociology	135	47					182
Women's Studies	1	5					6
Doermer School of Business							
Accounting & Finance	34	23					57
Economics	106	42					148
Management & Marketing	88	82					170
College of Education and Public Policy							
Educational Studies	286	146					432
Professional Studies	51	36					87
Public Policy	133	94					237
College of Engineering, Computer Science and Technology							
CEIT	29	16				1	46
Computer Science	40	55					95
Engineering	204	152					356
MCETID	32	54					86
OLS	68	103					171

College of Health and Human Services							
Department	Publications	Presentations	Art	Exhibits	Performances	Patents	Total
Consumer and Family Sciences	13	3					16
Dental	64	53					117
Human Services	12	20					32
Nursing	68	83				1	152
Radiography	0	0					0
College of Visual and Performing Arts							
Fine Arts	6	11	94	65		1	177
Music	31	57			199		287
Theatre	1	20			117		138
VCD	5	4	8	20			37
Walter E. Helmke Library							
Librarians	30	35		6			71

Top 10 Downloads of Faculty Scholarship in 2012

Faculty Author	Title	Department	Downloads	Hits
Truesdell, Cheryl	Guide to Historical Research with Government Publications, 1789–1989. <i>Indiana Libraries</i> , 29 (1), (2010): 94-112.	Helmke Library	713	724
Nowak, Jeffrey, Joe D. Nichols, and Douglass Coutts	The Impact of Full-day vs. Half-day Kindergarten on Student Achievement of Low Socioeconomic Status Minority Students. <i>scholarlypartnershipsedu</i> , (4)1, (2009): 34-49.	Educational Studies	670	727
Murphey, Kathleen and Dawn Runger Martzo	In the Shadow of Brown. <i>scholarlypartnershipsedu</i> , (2)1, (2007): 5-24.	Educational Studies	604	638
Lindquist, David and Carolyn Young Lindquist	Challenging Preservice Teachers' Perceptions of the Profession: Applying Breakthrough Thinking in Teacher Preparation Programs. <i>scholarlypartnershipsedu</i> , 3(1), (2008): 88-99.	Educational Studies	558	592
Hickey, M. Gail and M. Stratton	Schooling in India: Effects of Gender and Caste. <i>scholarlypartnershipsedu</i> , 2 (1), (2007): 59-85.	Educational Studies	470	488
DeVenanzi, Augusto	Authoritarianism Versus Welfare Policy: The Two Faces of the Bolivarian Revolution. <i>Revista Venezolana de Analisis de Coyuntura</i> .16 (1), (2010): 53-76.	Sociology	434	480
Nichols, Get W. and Joe D. Nichols	An Analysis of Student and Parent Perceptions: School Climate Surveys for the Public Good. <i>scholarlypartnershipsedu</i> , 6 (1), (2012), Article 3.	Educational Studies	369	397
Jensen, Rebecca S.	<i>Evaluating Clinical Judgment in a Nursing Capstone Course</i> . Presented at the 2010 Assessment Institute, Indianapolis, IN.	Nursing	304	323
Batagiannis, Stella and Ingrid E. Laidroo	Scholar-Practitioner Dialogue: Implementing Student-Centered, Authentic Professional Learning Communities in Urban School. <i>scholarlypartnershipsedu</i> , 2 (2), (2007): 58-77.	Professional Studies	239	273
Moss, Glenda, Lindsay Sloan, Jane Sandor	Peer Coaching and Action Research as Professional Development. <i>scholarlypartnershipsedu</i> , 4(2), (2009).	Educational Studies	238	295

Top 10 Downloads of Master's Theses in 2012

Author	Title	Department	Faculty Sponsor	Downloads	Hits
Elkins, Jaron	The Misery of Popularity: Stephen King in the Literature Classroom, 2011.	Master of Arts in English	Michael Kaufmann	421	487
Saleh, Ahmad M.	Modeling of Flat-Plate Solar Collector Operation in Transient States, 2012.	Master of Science in Engineering	Hosni Abu-Mulaweh	273	359
Boatright, Kelly D.	Relationships Among Shoreline Development, Nearshore Fish Communities, and Aquatic Macrophyte Communities in the Littoral Zone of Indiana Glacial Lakes, 2012.	Master of Science in Biology	Robert Gillespie	148	220
Sanders, Kathryn	Relative Importance of Water Quality and Habitat to Fish Communities in Streams Influenced by Agricultural Land Use in the Cedar Creek Watershed, Indiana, 2012.	Master of Science in Biology	Robert Gillespie	146	223
Abu-hayat, Md Sharif	Understanding Physiological Responses and Development of Stress Biomarker from Tilapia Treated with Vitamin C During Chronic Stress Induced by Crowding, 2012.	Master of Science In Biology	Ahmed Mustafa	132	324
Junk, Dennis J.	Hierarchies in Hell and Leaderless Fight Clubs: Altruism, Narrative, and the Adaptive Appeal of Bad Boys.	Master of Arts in English	Michael Kaufmann	130	176
Donevska, Ivana	Measuring Word Similarity Using Natural Text Descriptions, 2012.	Master of Science in Computer Science	Lubomir Stanchev	129	173
Bow, Mark	Compact Co-location Pattern Mining, 2011.	Master of Science in Computer Science	Jin Soung Yoo	119	193
Crosby, Julie A.	Reverse Genetics and Functional Complementation Experiments Unveil a Unique Nucleobase Cation Symporter AtNCS1 in Arabidopsis thaliana, 2011.	Master of Science in Biology	George S. Mourad	101	166
Jackson, David N.	Using Tacit Knowledge for Competitive Advantage: A Study of Sales Team Performance, 2012.	Master of Business Administration in Management and Marketing	Karen Moustafa Leonard, Prasad Bingi, Joseph Khamalah	94	141

Top 10 Downloads of Undergraduate Research in 2012

Student Author	Title	Faculty Sponsor	Event	Downloads	Hits
Minick, Elise	Text Messaging, Text Speak, and Literacy Abilities Among College Students (2010)	Michelle Drouin, Psychology	2010 IPFW Student Research and Creative Endeavor Symposium	1087	1110
Cantwell, Kurt & Michael Holbrook	Autonomous Firefighting Robot Project: A Design and Analysis Report (2006)	Course Instructor: Paul Lin Faculty Advisor: Harold Broburg	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	392	430
Prendergast, Michael D.	Construction of a Digital Multimeter (1990)	Course Instructors: Roger Hack and Ronald Emery	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	339	354
Miller, James Richard, Jr.	Pick and Place Robot (1983)	Course Instructor: Donald McAleece Faculty Advisor: Edward Messal	Manufacturing & Construction Engineering Technology & Interior Design Senior Design Projects	331	350
Hoffman, Rick	Design and Construction of a Beat-Frequency Oscillator Metal detector (2002)	Course Instructor: Paul Lin	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	309	322
Robert F. Berard	Final Technical Report of a FM Receiver (1985)	Course Instructor: Harry Gates	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	298	309
Welch, Steven J.	Honey House Layout (1980)	Course Instructor: Donald McAleece Faculty Advisor: Jack Cook Other Sponsoring Organization: Adams County Honey Farms	Manufacturing & Construction Engineering Technology & Interior Design Senior Design Projects	289	377
Chen, Gloria	A Comparative Analysis of "Ivy Day in the Committee Room" and "New Year's Eve" (2010)	Faculty Sponsor: Lidian Lin, English	2010 IPFW Student Research and Creative Endeavor Symposium	203	219

Student Author	Title	Faculty Sponsor	Event	Downloads	Hits
Jacobs, Harry	PC-Based Function Generator (2002)	Course Instructor: Paul Lin	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	186	196
Cryer, Joshua D	Programmable CAN bus to Analog Signal Converter (2007)	Course Instructor: Paul Lin Faculty Advisor: Joe Bender Other Sponsoring Organization: International Truck and Engine Corp.	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	162	192